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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/871,475	05/31/2001	Reto Preisig	SVL920010020US1	1554

7590

11/18/2003

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EXAMINER

LE, DEBBIE M

ART UNIT	PAPER NUMBER
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2177

DATE MAILED: 11/18/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/871,475

Applicant(s)

PREISIG ET AL.

Examiner

DEBBIE M LE

Art Unit

2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 5/31/01 was filed after the mailing date of the application No. 09/871,475 on 5/51/01. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Drawings

The drawings were received on August 27, 2001. These drawings are approved by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Davison (US Patent Application No. 2003/0101238 A1).

As per claims 1 and 17, Davison discloses a system for transmitting a data from a database server to a client comprising:

providing middleware (fig. 1, # 102, enabler agent) communicating with the client (fig. 1, # 120) and server (fig. 1, # 112);

the middleware including at least one file (translates data from a first data model to an second data model using a data mapping function) (§ 0013, 0088), the file having at least one parameterized database system query language statement (SQL) (fig. 1, § 0014, 0047, lines 7-9, 0056);

in response to a client request for data (sending a request) (fig. 1, data request, § 0059, lines 1-3), accessing the file (retrieving); and using the parameterized statement to return data satisfying the request to the client (parameters of the query) (§ 0067) .

As per claim 2, Davison teaches wherein the database system query language is SQL (fig. 8).

As per claim 3, Davison teaches wherein the data satisfying the request is sent via Hypertext Transfer Protocol (HTTP) (the supplier's HTTP server routes the markup language document to the requestor) (§ 0074) in Extensible Markup Language (XML) (where the markup language format is XML, the enabler agent converts the structured data formatted data to XML format) (§ 0075, 0071).

As per claims 4-6, Davison teaches wherein the parameterized statement facilitates a query for data, an update to the database system, an SQL stored procedure call (§ 0091, 0095-0099).

As per claims 7, 22 and 29 Davison teaches wherein the client request is one of the following: a SOAP request, an HTTP GET request, or an HTTP POST request (HTTP POST command) (§ 0073).

As per claims 8-10, 19-21, Davison teaches wherein the middleware further comprises: at least one router receiving the client request; and the router including at least one servlet, the servlet replaces at least some parameters in the parameterized statement with corresponding values from the client request to establish a fully qualified SQL statement, the servlet (enabler agent) sends the SQL statement to the database system for execution thereof (The enabler agent executes a CGI script that extract the query from the incoming URL, and sends the query to the supplier's database) (§ 0073), the enabler agent queries the database using the query identified above) (§ 0067).

As per claim 11, Davison teaches wherein the database system generates a response to the SQL statement and the method further comprises: sending the response to the client (results to users, fig. 1) (§ 0068).

As per claim 12, Davison teaches the act of: converting the response to XML (the data to be converted to an XML) (§ 0071, lines 8-10).

As per claims 13-16, 23-26 and 30-32, Davison teaches wherein the servlet generates documentation and a test page in HTML (a tag browser program, which provides a simple web-based XML and HTML client that can be used to test the operation of the enabler agent), a service description (WSDL file) (referencing the query in the URL by providing the name the file name it is stored in the (queryname)) (§ 0063-0066), Extensible Markup Language Schema data (XSD) (XML) at least partially based on the client request (0056).

As per claim 18, Davison teaches wherein: the middleware receives a client request for data (fig. 1).

As per claims 27 and 28, Davison discloses a system comprising:

providing a file (translates data from a first data model to an second data model using a data mapping function) (§ 0013, 0088) between the client (fig. 1, # 120) and database system (fig. 1, # 112), the file having at least one parameterized SQL statement (SQL) (fig. 1, § 0014, 0047, lines 7-9, 0056);

replacing at least some parameters in the parameterized statement with corresponding values from the client request to establish a fully qualified SQL statement; sending the SQL statement to the database system for execution thereof (The enabler agent executes a CGI script that extract the query from the incoming URL, and sends the query to the supplier's database) (§ 0073), the enabler agent queries the database using the query identified above) (§ 0067);

at the database system, generating a response to the SQL statement (fig. 3, # 335, server database generates result set);

converting the response to XML if necessary (fig. 3, # 345 "enabler agent converts result set to markup language) (where the markup language format is XML, the enabler agent converts the structured data formatted data to XML format) (§ 0075, 0071); and

sending the response to the client (fig. 1, arrow from server database → enabler agent, results to users).

Conclusion

If a reference indicated as being mailed on PTO-FORM 892 has not been enclosed in this action, please contact Lisa Craney whose phone number is (703) 305-9601 for faster service.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DEBBIE M LE whose telephone number is 703-308-6409. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN BREENE can be reached on 703-305-9790. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



DEBBIE M LE
Examiner
Art Unit 2177

Debbie Le
November 6, 2003.



GRETA ROBINSON
PRIMARY EXAMINER